

NEW PRODUCT RELEASE

Split Air Conditioner Under Ceiling

Model (1 phase):

ABEG18KRTA / AOEG18KBTB
ABEG22KRTA / AOEG22KBTB
ABEG24KRTA / AOEG24KBTB
ABEG30KRTA / AOEG30KBTB
ABEG36KRTA / AOEG36KBTB
ABEG45KRTA / AOEG45KBTB

Model (3 phase):

ABEG36KRTA / AOEG36KRTA
ABEG45KRTA / AOEG45KRTA
ABEG54KRTA / AOEG54KRTA



(30/36/45/54)

Light elegant design

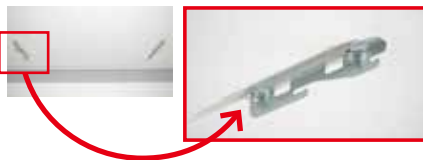
The light-elegant, gently curved surface gives a sense of comfort and well-being.



Easy installation

The indoor unit can be easily installed under the ceiling thanks to the uniquely designed mounting kit.

1. Set mounting brackets



2. Hold up the ceiling unit and fit to the mounting brackets



3. Attach with screws



Easy maintenance

The front panel can be opened without removing it for safe & speedy maintenance.



The drain pan can be removed for cleaning.



Components in the control box can be easily accessed from the wide side opening.



Flexible installation

The drain hose and pipe can be contained in the casing and connected in the right, left, angled, or downward direction.



Link up with a variety of central control system (Option)

Centralized control including facilities and equipment in addition to air conditioning is possible by linking up with MODBUS, KNX interfaces.



Central Control System



ABEG18/22KRTA



ABEG24/30KRTA



ABEG36/45/54KRTA

Specifications

Model name	Indoor unit		ABEG18KRTA	ABEG22KRTA	ABEG24KRTA	ABEG30KRTA	ABEG36KRTA	ABEG45KRTA	ABEG36KRTA	ABEG45KRTA	ABEG54KRTA	
	Outdoor unit		AOEG18KRTB	AOEG22KRTB	AOEG24KRTB	AOEG30KRTB	AOEG36KRTB	AOEG45KRTB	AOEG36KRTA	AOEG45KRTA	AOEG54KRTA	
Power Source			Single phase, ~230 V, 50 Hz							3-phase, ~400 V, 50 Hz		
Capacity	Cooling	kW	5.2	6.0	6.8	8.5	9.5	12.1	9.5	12.1	13.4	
	Heating		6.0	7.0	7.5	10.0	10.8	13.5	10.8	13.5	15.5	
UK Total Cooling / UK Sensible Cooling			5.01 / 3.62	5.85 / 4.12	6.63 / 4.97	8.08 / 5.23	9.03 / 7.44	11.54 / 8.37	9.03 / 7.44	11.54 / 8.37	13.38 / 9.84	
Input Power	Cooling/Heating	kW	1.55/1.62	1.87/1.95	2.14/1.97	2.65/2.77	2.96/2.88	4.22/3.84	2.96/2.88	4.22/3.84	4.45/4.43	
EER	Cooling	W/W	3.35	3.21	3.18	3.21	3.21	2.87	3.21	2.87	3.01	
COP	Heating		3.70	3.59	3.81	3.61	3.75	3.52	3.75	3.52	3.50	
Pdesign	Cooling/Heating (-10°C)	kW	5.2/4.4	6.0/4.8	6.8/6.0	8.5/8.0	9.5/8.7	-	9.5/8.7	-	-	
SEER	Cooling	W/W	6.2	6.1	6.2	6.1	6.37	6.25*	6.37	6.25*	5.88*	
SCOP	Heating (Average)		4.1	4.0	4.1	4.0	4.21	4.05*	4.21	4.05*	3.95*	
Energy Efficiency Class	Cooling	A++		A++	A++	A++	A++	-	A++	-	-	
	Heating (Average)	A+		A+	A+	A+	A+	-	A+	-	-	
Annual Energy Consumption	Cooling	kWh/a	293	344	384	486	524	-	524	-	-	
	Heating		1,501	1,677	2,042	2,796	2,904	-	2,904	-	-	
	Moisture Removal		l/h	2.0	2.5	2.2	3.0	2.6	4.5	2.6	4.5	5.0
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	38/36/33/31	42/37/34/31	41/36/32/29	45/40/35/32	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34	48/44/41/38	
	Indoor (Heating)	H/M/L/Q	38/36/33/31	42/37/34/31	41/36/32/29	45/40/35/32	44/40/37/32	45/41/39/34	44/40/37/32	45/41/39/34	48/44/41/38	
Sound Power Level	Outdoor (Cooling/Heating)	High	50/50	51/51	53/54	53/55	55/55	57/57	55/55	57/57	57/59	
	Outdoor (Cooling/Heating)	High	53/53	57/57	56/56	60/60	59/59	60/60	59/59	60/60	63/63	
Airflow Rate	Indoor/Outdoor (Cooling)	High	840/2,160	900/2,240	1,230/2,700	1,400/3,750	1,850/3,750	1,900/4,450	1,850/3,750	1,900/4,450	2,100/4,450	
	Indoor/Outdoor (Heating)	High	840/1,830	900/1,960	1,230/2,700	1,400/3,750	1,800/3,750	1,850/4,450	1,800/3,750	1,850/4,450	2,100/4,450	
Net Dimensions H x W x D	Indoor	mm	235 x 1,080 x 705		235 x 1,390 x 705		235 x 1,700 x 705		235 x 1,700 x 705			
	Outdoor	mm	632 x 799 x 290		716 x 820 x 315		788 x 940 x 320		788 x 940 x 320		998 x 940 x 320	
Weight	Indoor	kg	24	24	31	31	38	38	38	38	38	
	Outdoor	kg	36	38	42	52	52	67	53	67	67	
Remote Controller Type	NO CONTROLLER SUPPLIED WITH THESE UNITS PLEASE ORDER SEPARATELY											
Interconnecting Cable (Suggested cable size 1.5mm)			3 Core + Earth							3 Core + Earth		
Suggested MCB Size	A		16	16	20	25	25	32	16	16	16	
Max. Operating Current	Cooling/Heating	A	12.1	12.6	13.6	22.6	22.6	28.5	10.5	14.0	14.0	
Power Supply To			Outdoor							Outdoor		
Connection Pipe Diameter (Liquid/Gas)	Inch		1/4 & 1/2				3/8 & 5/8				3/8 & 5/8	
Max. Pipe Length (Pre-Charge)	m		30 (20)				50 (30)				50 (30)	
Max. Height Difference			20	25			30		30			
Refrigerant	Type (Global Warming Potential)	R32 (675)										
	Charge (CO ₂ eq-T)	g	1020 (0.689)	1250 (0.844)	1900 (1.283)		2700 (1.823)		1900 (1.283)	2700 (1.823)		
	Additional Charge	g/m	20		40		40					
Operating Range	Cooling	°CDB					-15 to 46				-15 to 46	
	Heating						-15 to 24				-15 to 24	

* calculated result

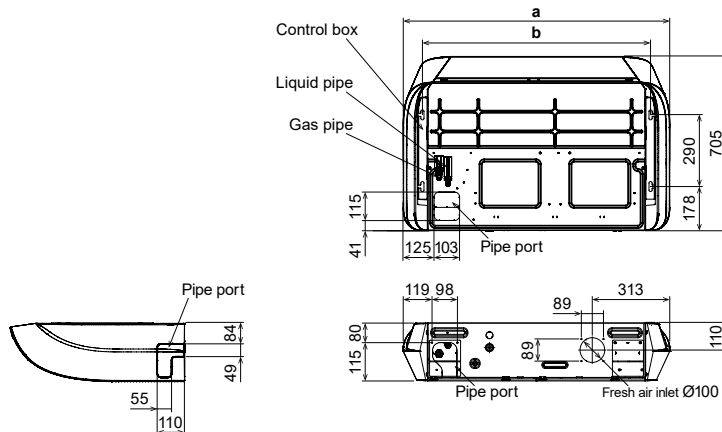
Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list

Wired Remote Controller (Design type):	UTY-RVRY	WLAN adapter:	UTY-TFSXJ3	Network Converter for single split (DC power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RCRYZ1		FG-AC-WIF121	Network Converter for single split (AC power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRYZ5	Drain pump unit:	UTR-DPB24T	External switch controller:	UTY-TERX
Simple remote controller (without operation mode):	UTY-RHRY	IR receiver unit:	UTY-LBTYH	External connect kit:	UTY-XWZXZG
Simple remote controller:	UTY-RSRY	L-type piping kit:	UTP-FX24A (18/22/24)	Wireless Remote Controller:	UTY-LNTY
External input and output PCB:	UTY-XCSX		UTP-FX35A (30/36/45/54)	(Outdoor unit 30/36/45/54)	
External input and output PCB box:	UTZ-GXEA	Communication kit:	UTY-TWRXZ3	External connect kit:	UTY-XWZXZ3

Dimensions

(Unit: mm)



	ABEG 18/22KRTA	ABEG 24/30KRTA	ABEG 36/45/54 KRTA
a	1,080	1,390	1,700
b	923	1,233	1,543